

FIELD REPLACEABLE UNIT DOCUMENTATION

PortegeTM

3010/3020CT

BATTERY PACK REMOVAL

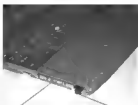


Release lever

Battery Pack

- 1 Turn the computer upside down as shown
- 2 Slide the **battery release lever** in the direction of the arrow
- 3 Pull the **battery pack** slightly forward and lift it out

OPTIONAL PCMCIA CARD REMOVAL

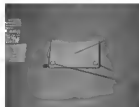


PC card

Eject Lever

- 1 Pull out the **eject lever** of the PC card to be removed
- 2 Push the **eject lever** to remove the PC card

EXPANSION MEMORY REMOVAL



Memory cover

M2x3 flat head black screws

- 1 Turn the computer upside down
- 2 Remove **two M2x3 black screws** securing the **memory cover**
- 3 Grasp both sides of the memory module and pull it out

MEMBRANE/IPS SWITCH REMOVAL



M2x6 flat head black screws

M2x6 flat head black screws

- 1 Remove **six M2x6 flat head screws** securing the base cover

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MEMBRANE/IPS SWITCH REMOVAL

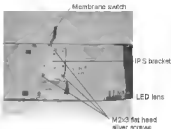


Palm rest cover

IPS cable

PJ11

- 2 Turn the computer right side up and lift up the **palm rest cover**
- 3 Release the **IPS cable** by unlatching the connector **PJ11** and remove the **palm rest cover**



Membrane switch

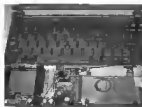
IPS bracket

LED lens

M2x3 flat head silver screws

- 4 Remove **LED lens**
- 5 Remove **three M2x3 flat head silver screws** securing the **IPS bracket**
- 6 Remove the **membrane switch** and the **IPS switch**

KEYBOARD REMOVAL



Keyboard

IPS switch cable

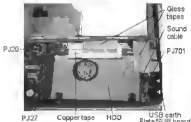
Keyboard cable

PJ9

PJ10

- 1 Release the lock of **PJ10** connector and pull out the **keyboard cable**
- 2 Release the lock of **PJ9** connector and pull out the **IPS switch cable**
- 3 Lift out the **keyboard**

HDD/SUB BOARD REMOVAL



Glass tapes

Sound cable

PJ701

PJ27

Copper tape

HDD

USB earth Plate/SUB board

- 1 Disconnect the sound cable from **PJ701**
- 2 Peel off the **glass tapes** and **copper tape** on the HDD and remove the **nylon cable** from **PJ20**
- 3 Remove one **M2x4 brass screw** securing the **USB earth plate / SUB board** and lift it out
- 4 Disconnect the **HDD** from **PJ27** and slide it out of the **HDD insulator**

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DISPLAY ASSEMBLY REMOVAL



- 1 Remove **two M2x6 flat head black screws** securing the display assembly

LCD cable

PJ3



M2x4 brass screws

- 2 Disconnect the **microphone cable** from **PJ15** and **LCD cable** from **PJ3**
- 3 Remove **six M2x4 brass screws** securing the display assembly

RTC BATTERY REMOVAL



RTC battery cable PJ12 Insulator

- 1 Disconnect the **speaker cable** from **PJ16**
- 2 Disconnect the **RTC battery cable** from **PJ12**
- 3 Remove the **insulator** and then the **RTC battery**

SYSTEM BOARD REMOVAL



LCD cover sensor lever M2x6 Silver screw

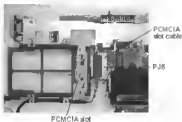
- 1 Remove **two M2x4 brass screws** securing the **keyboard support plate**
- 2 Remove **sound cable** from **PJ17**
- 2 Remove **one M2x6 silver screw** securing **LCD cover sensor lever** and lift out the system board

NOTE: The **Heat conductors** are separate parts. Please remove them before sending the board to TOSHIBA and ensure that the **heat conductors** are installed back to the replacement board to prevent it from overheating

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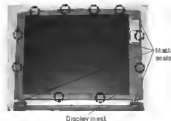
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SYSTEMBOARD REMOVAL



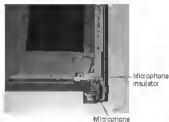
- Turn the system board upside down, release the lock of **PCMCIA slot cable** and disconnect it from **P.J6** on the system board.
- Disconnect the **PCMCIA slot** and remove it.

DISPLAY MASK REMOVAL



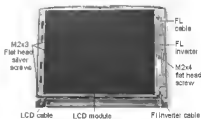
- Remove **four mask seals** using a pair of fine-tipped tweezers.
- Remove **two M2x5 flat head silver screws** (lower side) and **two M2x4 flat head brass screws** (upper side).
- There are **10 latches** securing the display mask. Carefully insert your fingers between the **display mask** and the **LCD panel** and pry open the display mask.

MICROPHONE REMOVAL



- Peel off the **microphone insulator**.
- Remove the microphone holder and the **microphone**.

FL INVERTER AND LCD REMOVAL



- Remove **one M2x4 flat head silver screw** securing **FL inverter board**.
- Lift up the **FL inverter board** and disconnect the **FL cable** from **CH2** and the **FL inverter cable** from **CH1**.
- Remove the **one M2x3 flat head silver screw** securing the **LCD module**.
- Carefully rotate the **LCD module** from right to left of the **LCD cover** and remove the clip securing the **LCD**.
- Disconnect the **LCD cable** from the **LCD module** and remove the **LCD** from the computer.

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